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Seq. # 8287

PATENTS 112025-0130C1 CPOL #355713

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re The Application of:)	•
Umesh Mahajan et al.)	
Serial No.: 10/657,499)	Examiner: Not yet assigned
Filed: September 8, 2003)	
For: VALUE-ADDED FEATURES FOR THE SPANNING TREE PROTO- COL)) ~) ~	Art Unit: Not yet assigned
		Cesari and McKenna, LLP 88 Black Falcon Avenue Boston, MA 02210 July 22, 2005

CERTIFICATE OF MAILING

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Elaine Cruz

Sir:

INFORMATION-DISCLOSURE STATEMENT

In keeping with the duty of candor and good faith owed to the Patent and Trademark Office, Applicants wish to bring to the Examiner's attention the references listed on the accompanying form PTO-1449. A copy of each listed reference is enclosed.

Copies of cited art are not enclosed pursuant to 37 C.F.R. §1.98(d)(1) because they were submitted in the parent U.S. Patent Application Serial No. 09/208,175, filed December 9, 1998, now issued as U.S. Patent No. 6,628,624 on September 30, 2003.

To the extent required by 37 C.F.R. §1.98(a)(3), Applicants have described what they consider to be the relevance of any foreign-language reference. The Office may find additionally relevant material in these or other references.

Please charge any additional fee occasioned by this paper to our Deposit Account No. 03-1237.

Respectfully submitted,

James M. Behmke

Reg. No. 51,448

CESARI AND MCKENNA, LLP

88 Black Falcon Avenue Boston, MA 02210-2414

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Sheet 1 of 4

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Ì		Complete if Known	
	Application Number	10/657,499	
	Filing Date	September 8, 2003	
	First Named Inventor	Umesh Mahajan et al.	
	Group Art Unit	Not yet assigned	
	Examiner Name	Not yet assigned	
	Attorney Docket Number	112025-0130C1	

				U.S. PATENT DOCUMEN	TS	
Examiner Initials *	Cite No.1	Number	Code ²	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	4,811,337	A	Hart	03/1989	
	2	4,922,486	A	Lidinsky et al.	05/1990	
	3	5,018,137	A	Backes et al.	05/1991	
<u>. </u>	4	5,138,615	А	Lamport et al.	08/1992	
	5	5,150,360	Α	Perlman et al.	09/1992	
	6	5,265,092	А	Soloway et al.	11/1993	
	7	5,280,480	A	Pitt et al.	01/1994	
	8	5,323,394	A	Perlman	06/1994	
	9	5,327,424	A	Perlman	07/1994	
	10	5,398,242	A	Perlman	03/1995	
<u> </u>	11	5,400,333	А	Perlman	03/1995	
<u>. </u>	12	5,606,669	A	Bertin et al.	02/1997	
	13	5,744,824	A	Choi	03/1998	
····	14	5,740,171	A	Mazzola et al.	04/1998	
	15	5,742,604	A	Edsall et al.	04/1998	
	16	5,761,435	A	Fukuda et al.	06/1998	
	17	5,764,636	A	Edsall	06/1998	
	18	5,790,808	A	Seaman	08/1998	
	19	5,844,902	A	Perlman	12/1998	
	20	5,878,232	A	Marimuthu	03/1999	

				FOREIGN	PATENT DOCU	MENTS	,	
		Fo	oreign Patent Doc		Name of Patentee or	Date of Publication of	Pages, Columns, Lines, Where Relevant Passages or	
Examine r Initials*	Cite No.1	Office ³	Number ⁴	Kind Code ⁵ (if known)	Applicant of Cited Document	Cited Document MM- DD-YYYY	Relevant Figures Appear	Τ ₆
	1	EP	0324277	A2	Vitalink Communications Corporation	07/1989		
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Examiner Signature	Date Considered	

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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Sheet 2 of 4

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First Named Inventor	Umesh Mahajan et al.	-				
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		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
maas	1	Lucent Technologies Inc.'s Initial Disclosure of Prior Art Under Civil Local Rule 16-7, U.S. District Court for the Northern District of California, C.A. No. C98-20836JW (PVT) ENE, November 18, 1998.	
	2	D. Delaney and M. Seaman, Single or Multiple Filtering Databases, May 8, 1997.	
	3	HOROWITZ, S., Dual-Layer Spanning Tree, A Spanning tree proposal for IEEE 802.1Q, pp. 1-4.	
	4	MACKINNON, A., SHUKAN, D., DESMARAIS, J. and STREFF, WILLIAM, Lucent Technologies Inc.'s Initial Disclosure of Prior Art Under Civil Local Rule 16-7-Case No. C98- 20836 JW (PVT) ENE, November 18, 1998, pp. 1-5.	
	5	HART, JOHN, Extending the IEEE 802.1 MAC Bridge Standard to Remote Bridges, January 1998-Vol. 2, No. 1, pp. 10-15.	
	6	YENER, B., BHANDARI, I., OFEK, Y. and YUNG, M., Fault-Tolerant Convergence Routing, (c) 1994, pp. 54-64.	
	7	PERLMAN, RADIA, Interconnections: Bridges and Router, (c) 1992, pp. 54-64.	
	8	P802.1d Draft Standard for Local Area Networks MAC (Media Access Control) Bridges: Technical and Editorial Corrections, (c) 1997, pp. 1-10, 85-122, 151-158.	
	9	SEAMAN, MICK, High Availability Spanning Tree, Rev. 1.1, pp. 1-15.	
	10	Information technology-Telecommunications and information exchange between systems- Local area networks-Media access control (MAC) bridges, International Standard ISO/IEC 10038:1993 ANSI/IEEE Std 802.1D, (c) 1993, pp. Table of Contents, 43-67, 82-83.	
	11	S. Horowitz, Dual-Layer Spanning Tree, (A Spanning Tree Proposal for IEEE 802.1Q) May 14, 1997.	

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Examiner		
	l Co	onsidered
Signature		0110100100

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	(use as mai	ny sheets as	s necessary)	Examiner Name	Not yet assigned		
She	et 4	of	4	Attorney Docket Number	112025-0130C1		

		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
	1	M. Seaman, High Availability Spanning Tree, Rev. 1.1, October 26, 1998.	
-	2	J. Hart, Extending the IEEE 802.1 MAC Bridge Standard to Remote Bridges, IEEE Network, January 1998, Vol. 2, No. 1, pp. 10-15.	
	3	R. Perlman, Interconnections: Bridges and Routers, Copyright 1992 by Addison- Wesley Publishing Company, Inc., pp. 54-64.	
	4	B. Yener, et al., Fault-Tolerant Convergence Routing, Copyright 1994 IEEE.	
	5	IEEE P802.1d Draft Standard for Local Area Networks MAC (Media Access Control) Bridges: Technical and Editorial Corrections, Copyright 1997 IEEE, pp. 1-10, 85- 122 and 151-158.	***
	6	Draft Standard P802.1Q/D10 IEEE Standards for Local and Metropolitan Area Networks: Virtual Bridged Local Area Networks, P802.1Q/D1, March 22, 1998, pp. 1-212	

Examiner
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	21	6,081,512	A	Muller et al.	06/2000	
	22	6,202,114	B1	Dutt et al.	03/2001	
	23	6,236,659	B1	Pascoe	05/2001	
	24	6,298,061	B1	Chin et al.	10/2001	
	25	6,330,229	B1	Jain et al.	12/2001	
	26	5,394,402		Ross	02/1995	
	27	6,188,694		Fine et al.	02/2001	
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	FOREIGN PATENT DOCUMENTS							
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